

Please replace the Abstract of the disclosure, which is located on application page 32, with the following replacement abstract.

Abstract

~~An object of the present invention is to provide a modulation precision enhanced broadband modulation PLL, a timing error correcting system of the broadband modulation PLL, a timing error correcting method and an adjusting method of a radio communication device having a broadband modulation PLL.~~

~~There is provided~~ A broadband modulation PLL includes a PLL portion containing a voltage controlled oscillator (101), a frequency divider (105), a phase comparator (104) and a loop filter (103). A frequency-dividing ratio of the frequency divider (105) is controlled to apply modulation, and also an input voltage of the voltage controlled oscillator (101) is controlled to apply modulation. One of phase modulation data for controlling the frequency dividing ratio and phase modulation data for input voltage of the voltage controlled oscillator (101) is inverted in phase by using an inverter (113), and the delay control circuit (110) detects a timing error on the basis of a signal (133) achieved by adding the output signals (131) and (132) of the filter (106) and the loop filter (103), and the timing is controlled by the delay circuits (111) and (112) to correct the timing error.